STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DCS5288 – INTERNET AND WEB PUBLISHING
(DIT/DBIS)

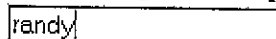14 OCTOBER 2019
2:30 p.m. – 4:30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 7 pages with 2 sections.

2. **SECTION A**: Answer **ALL** Multiple Choice Questions on the OMR sheet given.

3. **SECTION B**: Answer **ALL** Structured Questions in the Answer Booklet provided.
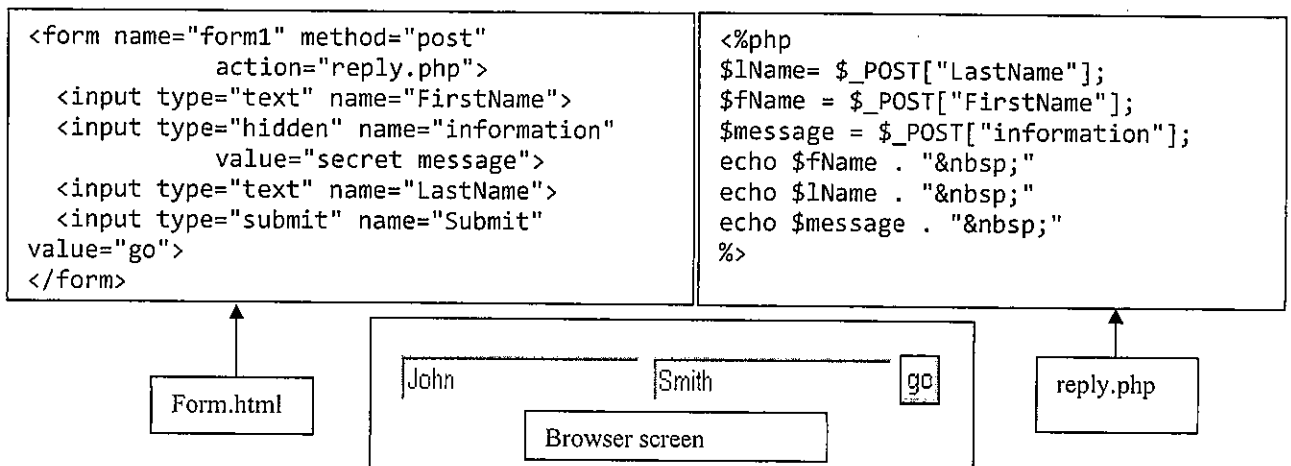
SECTION A : MULTIPLE CHOICE QUESTIONS (10 MARKS)
Answer ALL questions in this section. Shade your answers on the OMR sheet provided.

1. The _____ is a computer agent that is normally active 24 hours a day, 7 days a week, listening for queries from any client who make a request.
    A. client
    B. web
    C. server
    D. peer to peer

2. Which of the following HTML — form element pairs is improperly matched:
    A. <input type=text> | randy|
    B. <input type=radio>   ☑
    C. < select> | Choose a Price ▾ |
    D. None of the above is correct.

3. Which of the following is true with respect to the <form> tag?
    A. While you can have several <form> ... </form> in a page, they cannot be nested
    B. The *action* attribute specifies the URL of the server-side script that will process the form.
    C. The method= attribute specifies how the information in the form will be transmitted to the server
    D. All of the above statements are true.

4. The _____ tag is used to associate a web page with an external style sheet.
    A. <a>
    B. <head>
    C. <style>
    D. <link>

5. Which of the following configures a class called sidebar forcing the rest of the elements to wrap around on the left side?
    A. sidebar: { float: right; }
    B. sidebar: { right: float; }
    C. .sidebar: { float: right; }
    D. #sidebar: { float: right; }

6. Javascript is _____.
    A. a client-side scripting language that is interpreted/executed by the browser.
    B. a server-side scripting language that is interpreted/executed by the server.
    C. a language for creating self-contained, Windows-only programs.
    D. a client-side scripting language that is interpreted/executed by the server.

Continued...

7. Which of the following set the variable *num* to the value 9?
   A. num = pow (2, 3);
   B. num = Math.pow (3, 2);
   C. num = Math.sqrt(18);
   D. num = sqrt(81);

8. Which of the following is **FALSE** about PHP?
   A. PHP can encrypt data
   B. PHP can send and receive cookies.
   C. PHP does not support constants.
   D. HP generates dynamic web page content.

9. Based on the diagram below, after the user clicks 'go' on the browser screen, what will be displayed?

```
<form name="form1" method="post"
            action="reply.php">
  <input type="text" name="FirstName">
  <input type="hidden" name="information"
            value="secret message">
  <input type="text" name="LastName">
  <input type="submit" name="Submit"
value="go">
</form>
```

```
<%php
$lName= $_POST["LastName"];
$fName = $_POST["FirstName"];
$message = $_POST["information"];
echo $fName . " "
echo $lName . " "
echo $message . " "
%>
```

| Form.html |

| John   Smith   go |
| Browser screen |

| reply.php |

   A. John Smith secret
   B. John Smith
   C. John secret message
   D. John Smith secret message.

10. In PHP, an element with no defined value is expressed with the keyword called
   _____.
   A. void
   B. null
   C. empty
   D. undefined

SECTION B : STRUCTURED QUESTIONS (40 MARKS)
Answer ALL questions in this section. Write your answers on the answer booklet provided.

QUESTION 1 (10 MARKS)

a. Write the HTML codes to generate the following table. The table width is 400px.

[6 marks]

Student's Lab Score

Student Name		Labs			Average
First	Last	Lab 1	Lab 2	Lab 3	
Ali	Kamal	100	50	50	66.7
Susan	Jack	100	100	100	100

b. Write the HTML codes to display the output based on the given descriptions.

i. Profile Picture: Choose File | No file chosen
Save

Create a form as shown. User can upload .png and .jpg file only.

[2 marks]

ii. 1. January
2. February
    o Chinese New Year
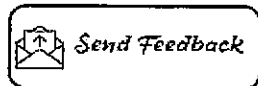   o Awal Ramadhan

Create a list as shown.

[2 marks]

Continued...

QUESTION 2 (10 MARKS)

a. Write the External CSS codes for the following button.

[5 marks]

- The font is a downloaded font file *starlight.otf*. Use this font as a new font with the name *myFont*.
- The button:
    o The width is 130px and the height is 40px.
    o The borders are 2px thick single lines and the colour is black.
    o There is a background image called feedback.png and it is located 5px from the left and the right. The text is indented by 35px.
    o The corners are rounded by 10px.
- The button when mouseover:
    o The background colour changes to #eead0e with a transparency of 50%. The text colour is white.
- The button when it is clicked:
    o The background colour changes to red and the transparency is 0%.

b. Write only the Internal CSS codes for the given design and guidelines.

[5 marks]
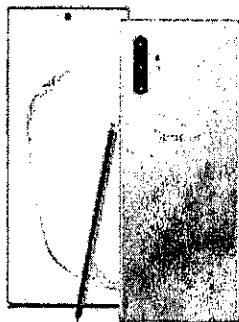
Unbeatable Specs

✔ 8GB of RAM and 256GB storage

✔ 6.3-inch Display

✔ Triple Rear Camera

✔ Reverse wireless charging

```
<div id="wrapper">
<div id="image-box">
        <img src="galaxy10.png"/>
</div>
        <div id="features-box">
                <p>Unbeatable Specs</p>
                <ul>
                        <li>8GB of RAM and 256GB storage</li>
                        <li>6.3-inch Display</li>
                        <li>Triple Rear Camera</li>
                        <li>Reverse wireless charging</li>
                </ul></div>
</div>
```

Continued...

Guidelines:

- The wrapper:
    - The width is 600px with a #ffffdd background colour. The space between the border and the content is 5px.
- The image-box:
    - The width is 290px. The image size is 300 x 300 pixels.
    - The features box:
    - The width is 290px. The paragraph in this section is bold and underlined. The font size is 15pt.
    - The list in this section is red and uses the bullet image *check.png*. The font size is 12pt.

Continued...

QUESTION 3 (10 MARKS)

a. Given the following HTML codes, write only the JavaScript codes to get the display of the following output. [10 marks]

```
<form name="frml">
<p>Flowers you wish to order:
<select name="flowertype">
<option value="Rose">Bouquet of 12 long-stemmed Roses (RM120)</option>
<option value="MixedRose">Mixed Flowers bouquet including
roses(RM100)</option>
<option value="Mixed">Mixed Flowers bouquet (RM90)</option>
</select>
<p>Choose a Payment Method :
<input type="radio" name="payment_method" value="Cheque" > Cheque
<input type="radio" name="payment_method" value="Cash" checked> Cash
</p>
<p> Delivery or Pickup? : <select name="DelStatus">
                <option value="Delivery" selected>Delivery</option>
                <option value="Pickup">Pickup</option>
            </select>
</p><p><input type="button" name="btn" value="Submit Order"
onclick="Order();" />
</p>
</form>
```

- When the *Submit Order* button is clicked, the *order()* function will be called.
- In function *order()*:
    - Declare all the necessary variables.
    - All the information will be retrieved from form *frml*.
    - Use switch case to determine the price for each type of flower.
    - If customer choose delivery, RM5 will be charged for the delivery service.
    - Calculate the total price.
    - Display the order details using alert box as shown at the following sample output display.

Flowers you wish to order: | Bouquet of 12 long-stemmed Roses (RM120) ∨ |

Choose a Payment Method : ○ Cheque ◉ Cash

Delivery or Pickup? : | Delivery ∨ |

| Submit Order |

Message from webpage

Your order: Bouquet of 12 long-stemmed Roses
Price:RM 120.00
Mode of payment: Cash
Delivery or Pickup? : Delivery
Total Price: RM 125.00

OK

Continued...

QUESTION 4 (10 MARKS)

This PHP and MySQL program lists the subjects from the database for subject registration process. Students could view the subject list and register for the subject.

Table 1 subject

subject_id (PK)	subject_code	subject_name
1	DCS5288	Internet and Web Publishing
2	DCT5038	Data Communication and Networking
3	DIM5058	Mathematical Techniques 1
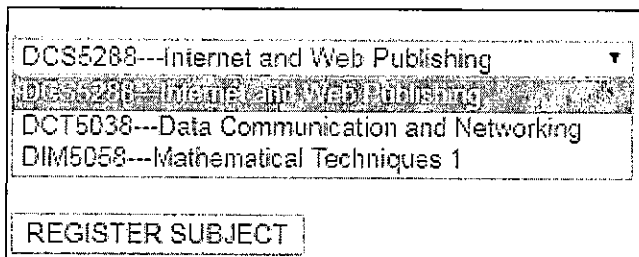
Table 2 registration

reg_id (PK)	register_date	register_student_id	register_subject_id
1	11 April 2019	100104	1
2	11 April 2019	100104	2
3	20 April 2019	100105	1

a. Given the following details, write the connection to the database.   [1 mark]

```
$host = "localhost";
$user = "root";
$password = "";
$database = "mmudb";
```

Write a complete PHP and necessary HTML codes for *register.php* which display the subject list from the database for the registration purposes. Sample outputs is shown as below.   [5 marks]

b. Once the student click the *register subject* button, the data will be inserted in the database. Write the PHP and SQL codes to insert the data into the *registration* table.
                    [4 marks]

End of Page.